

hoRRIzon projects: Responsible Research and Innovation for trusted products

Horizon's cross-cutting Theme was introduced to understand how Responsible Research and Innovation (RRI) is perceived and implemented within our Programme 'Trusted Data Driven Products'. This work supports embedding an RRI culture and practices across all research projects within Horizon and other UKRI research and training programmes.

Cross-cutting research activities include the development and validation of tools to aid RRI practice (e.g., card-based approaches -physical and online) to address barriers and enhancers for RRI implementation and policy impact.

ho**RRI**zon **1.0** (April 2021 – April 2022)



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Supporting responsible research and innovation within a university-based digital research programme: Reflections from the "hoRRIzon" project

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https://doi.org/10.1016/j.jrt.2022.100045

Main factors that impacted RRI integration

Benefits Barriers Time (e.g., anticipatory Time & timing and reflective work) (e.g., dynamics of shortterm projects) Stakeholder engagement Limited support to aid RI practice (e.g., tools used benefited from guidance) Consideration of EDI Unclear expectations of researche (e.g., representative sample of research practice (from funder and participants) institution) Effective communication (e.g., within the team, with stakeholders)

Policy Impact

1. Chen, J., Dove, E., Edwards, L., Koene, A., McAuley, D., Piskopani, A., & Urquhart, L. Response to the Government's 'Data: A New Direction' Consultation. (January 2022)

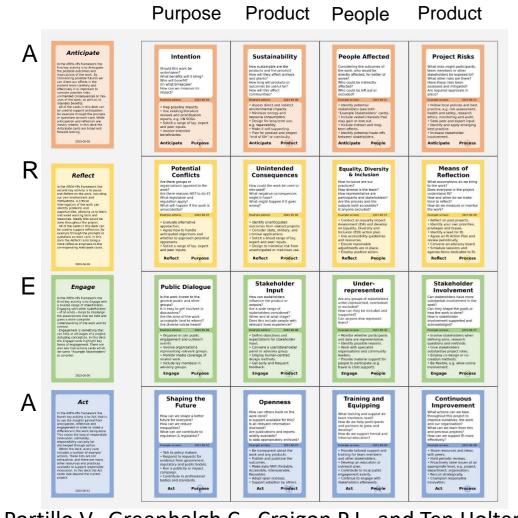
https://doi.org/10.25878/gsc1-vz67

- 2. McAuley, D., Piskopani, A., Portillo, V., Webb, H., & Wagner, H. Response to the call for evidence on The right to privacy: digital data (February 2022). https://doi.org/10.17639/X2FE-4722
- **3.** Derek McAuley, Andy Crabtree, Anna-Maria Piskopani, Jiahong Chen, Lachlan Urquhart, Response to A Call For Evidence Connected Tech Smart Or Sinister By DCMS Committee published 2022 via University of Nottingham (June 2022). https://doi.org/10.25878/0kj7-hh45

ho**RRI**zon **2.0** (May 2022 – April 2023)

Stahl B., Portillo V., Wagner H et al. (under review JRI)

Responsible Innovation Prompts and Practice Cards (RI Cards)



Portillo V., Greenhalgh C., Craigon P.J., and Ten Holter C. 2023. https://doi.org/10.1145/3597512.3599721

RI Cards- Online resources

Cardographer Web app:



RI Cards on Miro board:
https://miro.com/app/board/uXjVMzv

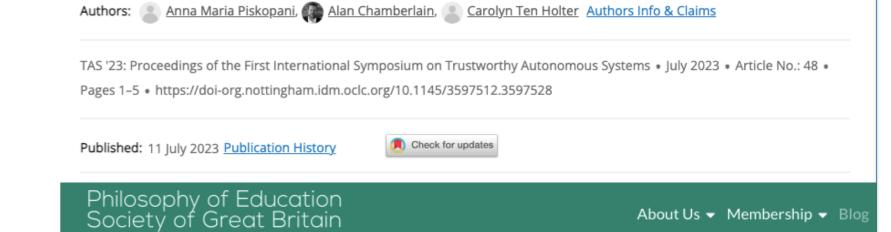
FYh4=/
TAS- hosted site on RRI for ICT:

https://tas.ac.uk/responsible-researchinnovation/rri-for-ict-researchers/

Scan me

Responsible Innovation & Legal implications of Al

Responsible AI and the Arts: The Ethical and Legal Implications of AI in the Arts and Creative Industries



Exploring the impact of ChatGPT and generative AI in Higher Education

By Anna Chatzimichali, Anna-Maria Piskopani 25th September 2023

ho**RRI**zon **3.0** (May 2023 – ongoing)

Supporting RRI training and practice

Delivery of RRI training Horizon CDT, Uon Interest again Int

RI Cards: current version 3.1.1 (November, 2023)



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Assessing responsible innovation training

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https://doi.org/10.1016/j.jrt.2023.100063</u></u> RRI and regulation roundtables as semi-structured discussions:

Development of RRI educational toolkit:

Storytelling workshops

The storytelling aspect was useful for thinking

about how research may be received

differently by different groups of people, and

for understanding how I can write about my

research in a way that considers RRI."

"It was a really useful format for talking through some of my thoughts on RRI and multidisciplinary projects."

Dissemination an evaluation of the RI Cards

Trustworthy Autonomous Systems (TAS)



"Before this exercise, I was not aware of this concept [Responsible Innovation]. Now I have realized this useful resource for my future projects."

"The experiential aspect of putting theory to action was incredibly helpful"

Edinburgh, July 2023

Distributed over 200 physical decks so far in the UK, USA, France and Australia; collating feedback on use.



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Partner: Observatory for Responsible Research and Innovation in ICT (ORBIT)

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